Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: **Improvements to Footpath in 6th Cross road at Vivekananda roads & Other roads at Mallasandra, in Ward no. 13, in Shettyhalli Sub-Division.**

Est .Cost Rs. 18.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.. (PWD SR 2014-15, Page No.138, Item No. 19.1)	Cum							
	6th Crossroad L/s & R/s, From pipeline to deadend		2	110.00	0.45	0.45	44.55		
	7th Crossroad L/s & R/s, From pipeline to deadend		2	105.00	0.45	0.45	42.53		
	Cross roads L/s & R/s		2	102.00	0.45	0.45	41.31		
	For Flagging course								
	For Road side -		2	110.00	0.30	0.30	19.80		
	For Building side		2	110.00	0.15	0.20	6.60		
	For Road side -		2	105.00	0.30	0.30	18.90		
	For Building side		2	105.00	0.15	0.20	6.30		
	For Road side -		2	102.00	0.30	0.30	18.36		
	For Building side		2	102.00	0.15	0.20	6.12		
							204.47	75.60	**15458.00**
	Basic Rate	70.00							
	Area Weightage 8%	5.60							
		75.60							
2	Providing and laying in position plain cement concrete of mix M10 with cement @ 180 kg with 40mm and down size graded granite metal coarse aggregates @ 0.86Cum and fine aggregates @ 0.58cum, machine mixed, concrete laid in layers not exceeding 15 cm thick, well compacted in foundation and plinth including cost of all materials, labour, HOM of machinery, curing etc., complete as per specifications and as directed by the Engineer-in-charge of the work. (PWD SR 2014-15, Page No.12, Item No. 4.3)	Cum							
			2	110.00	0.30	0.15	9.90		
			2	110.00	0.15	0.15	4.95		
			2	105.00	0.30	0.15	9.45		
			2	105.00	0.15	0.15	4.73		
			2	102.00	0.30	0.15	9.18		
			2	102.00	0.15	0.15	4.59		
							42.80	4847.04	**207429.00**

	Basic Rate	4488.00							
	Area Weightage 8%	359.04							
	Total	**4847.04**							
3	Removing B.S. slab of drain and stacking with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2014-15, Page No.25, Item No. 5.32)	Sqm							
	Covering Slabs -		2	55.00		0.90	99.00		
			2	70.00		0.90	126.00		
			2	60.00		0.90	108.00		
							333.00		
	Missed Qty 15%						49.95		
							283.05	58.32	**16507.00**
	Basic Rate	54.00							
	Area Weightage 8%	4.32							
		58.32							
4	Refixing stone slabs of drains and pointing in CM 1:3 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWD SR 2014-15, Page No.25, Item No. 5.33)	Sqm							
	Qty vide item no-4						**283.05**	75.60	**21399.00**
	Basic Rate	70.00							
	Area Weightage 8%	5.60							
		75.60							
5	Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick. Page No. 25/ Item No. 5.31.1/ PWD SR 2014-15	Sqm							
	Missed Qty 15% of Item no. 5						42.46		
							~~42.46~~	639.36	**27146.00**
	Basic Rate	592.00					17.44		11,150
	Area Weightage 8%	47.36							
		639.36							
6	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20cms** conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25 Item No. 5.27 PWD SR 2014-15	Sqm							
	For Road side		2	110.00		0.40	88.00		
			2	105.00		0.40	84.00		
			2	102.00		0.40	81.60		
							253.60	993.60	**251977.00**
	Basic Rate	920.00							
	Area Weightage 8%	73.60							
		993.60							

7	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2014-15, P.No 25 I.No 5.34)	Sqm							
	For Building side		2	110.00		0.40	88.00		
			2	105.00		0.40	84.00		
			2	102.00		0.40	81.60		
							253.60	940.68	**238556.00**
	Basic Rate	871.00							
	Area Weightage 8%	69.68							
		940.68							
8	Providing flush pointing to square rubble, course or uncoursed stone masonary with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm, nicely lining, including cost of materials, labour, curing complete as per specifications.(PWD SR 2014-15, P-109, I-15.1)	Sqm							
		2	2	110.00	0.20		88.00		
		2	2	105.00	0.20		84.00		
		2	2	102.00	0.20		81.60		
							253.60	91.80	**23280.00**
	Basic Rate	85.00							
	Area Weightage 8%	6.80							
		91.80							
9	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M 15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.26/ PWD SR 2014-15	Cum							
		2	2	110.00	0.20	0.05	4.40		
		2	2	105.00	0.20	0.05	4.20		
		2	2	102.00	0.20	0.05	4.08		
							12.68	5327.64	**67554.00**
	Basic Rate	4933.00							
	Area Weightage 8%	394.64							
	Total	**5327.64**							

10	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			2	110.00	0.90		198.00		
			2	105.00	0.90		189.00		
			2	102.00	0.90		183.60		
	Approved Rate of Precast slab	**1600.00**							
	Data rate for precast slab of 100MM thick						**570.60**	1600.00	**912960.00**
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR								
	Qty Vide Item No 1+2	Cum					**204.47**		
							204.47	75.47	**15431.00**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage 8%	5.59							
	Total	**75.47**							2303
12	Miscellaneous and unforseen Charges								
B	Add for Misc. Charges	1%							18000
								Total	**1800000**
	(Rupees Eighteen Lakhs Only)								

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2014-15
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-13

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

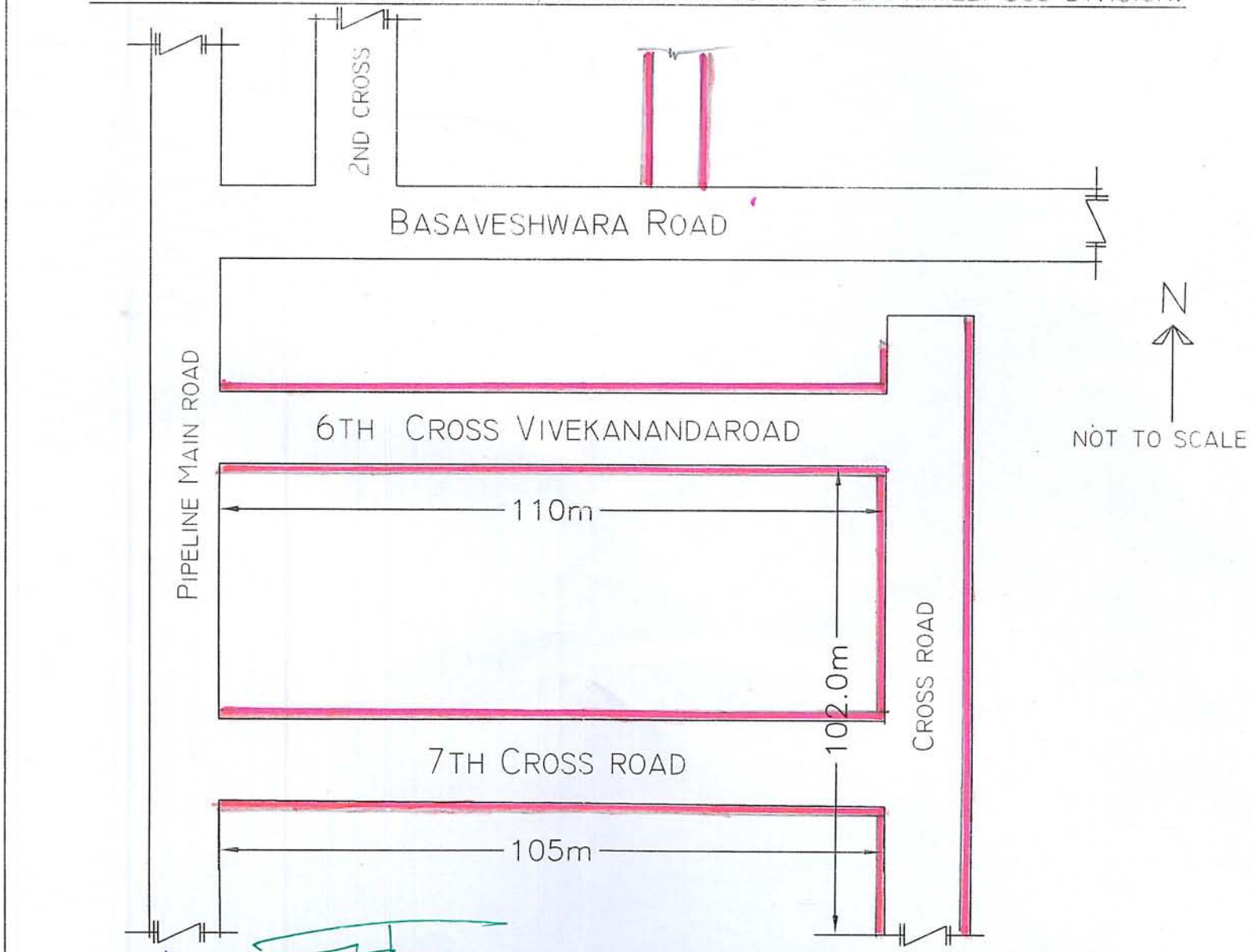
Executive Engineer
Dasarahalli Zone
BBMP

JNC-013-15-000012.

ನಂ. CE/DZ/AS/SD/14-15/Pg-9 ದಿನಾಂಕ : 29-10-15
ರೂ. 18,00,000/- (Eighteen Lakhs Only)
.....ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
29/10/14
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DZ/AS/SD/14-15/Pg-9 ದಿನಾಂಕ : 29/10/2014
ರೂ. 18.00 Lakhs (Rupees Eighteen Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ಯಾಂತ್ರಿಕ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
29/10

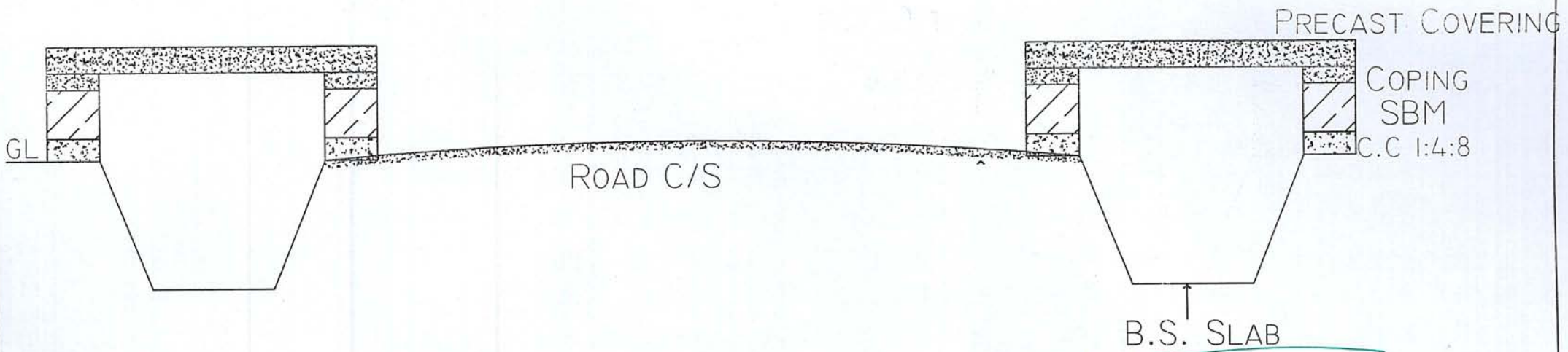
SKETCH IMPROVEMENTS TO FOOTPATH IN 6TH CROSS ROAD AT VIVEKANANDA ROADS & OTHER ROADS AT MALLASANDRA, IN WARD NO-13 IN SHETTYHALLI SUB DIVISION.



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P

TYPICAL CROSS SECTION OF PRECAST FOOTPATH



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P